PTO/SB/05 (05-03)

Approved for use through 04/30/2003. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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	Attorn	ey Docket I	۷o. ۱	NUM-0159	0159					
UTILITY	First I	nventor	Kazut	o Kobayashi	bayashi					
PATENT APPLICATION TRANSMITTAL	Title	Title EXPANSION VALVE								
(Only for new nonprovisional applications under 37 CFR 1.5		Express Mail Label No.								
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.			MS Patent Application ADDRESS TO: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450							
1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. 3. X Specification [Total Pages 23] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description - Claim(s) - Abstract of the Disclosure Drawing(s) (35 U.S.C. 113) [Total Sheets 11] 5. Oath or Declaration [Total Sheets 4] a. X Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).			7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATIONS PARTS 9. X Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney 11. English Translation Document (if applicable) 12. X Information Disclosure X Copies of IDS Statement (IDS)/PTO-1449 X Citations 13. X Preliminary Amendment 14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. X Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. X Other: Associate Power of Attorney							
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.										
19.	CORRESPO	NDENCE A	DDRE	ss						
X Customer Number or Bar Code Label	or Correspondence address below									
Name RADER, FISHMAN & GRA	AUER PLLO									
Address 1233 20th Street, N.W. Suite 501										
City Washington	State	DC		Zip Code						
Country US	Telephone	(202) 95	5-375	0 Fa	× (202) 955-3751					
Name (Print/Type) Carl Schaukowitch		Regist	ration No	. (Attorney/Agent)	29,211	7				
Signature				Date	July 8, 2003	7				

PTO/SB/17 (05-03) Approved for use through 04/30/2003. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.												
	med to	red to respond to a collection of information unless it displays a valid OMB control number. Complete if Known										
FEE TRANSMITTAL	- 1	Application Number				Not Yet Assigned						
for FY 2003	Filing Date				Concurrently Herewith							
Effective 01/01/2003, Patent fees are subject to annual revision.	First Named Inventor			Kazuto Kobayashi								
Ellective 01/01/2003, Patent fees are subject to annual revision.	Examiner Name					Not Yet Assigned						
Applicant claims small entity status. See 37 CFR 1.27	Ì	Art Unit				N/A						
TOTAL AMOUNT OF PAYMENT (\$) 750		Attorney Docket No.				NUM-0159						
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)										
Cradit Manay												
Check Card Order Other None	3. ADDITIONAL FEES											
X Deposit Account												
Deposit Account 18-0013	Fee	arge Entity Small Entity Fee Fee Fee Fee Fee Fee Description										
Number	Code	(\$)	Code	(\$)		ree Desc	ription	Fee Paid				
Deposit Account Rader, Fishman & Grauer PLLC	1051	130	2051	65	Surcharge -	- late filing fe	e or oath					
Name The Director is hereby authorized to: (check all that apply)	1052	50	2052	25	Surcharge - sheet.	- late provisio	onal filing fee or cover					
	1053	130	1053	120			_					
X Charge fee(s) indicated below X Credit any overpayments Charge any additional fee(s) during the pendency of this	1			130	· ·	n specification						
application	1812	2,520	1812	2,520	_		earte reexamination					
Charge fee(s) indicated below, except for the filling fee	1804	920*	1804	920*	Examiner a		f SIR prior to					
to the above-identified deposit account.	1805	1,840*	1805	1,840*	Requesting Examiner a	publication o	f SIR after					
FEE CALCULATION	1251	110	2251	55		or reply within	first month					
1. BASIC FILING FEE	1252	410	2252	205	Extension for	or reply within	second month					
Large Entity Small Entity	1253	930	2253	465	Extension for	or reply within	third month					
Fee Fee Fee Fee Fee Fee Pee Paid Code (\$) Code (\$)	1254	1,450	2254	725	Extension for	or reply within	fourth month					
1001 750 2001 375 Utility filing fee 750.00	1255	1,970	2255	985		or reply within	n fifth month					
1002 330 2002 165 Design filing fee	1401	320	2401	160	Notice of Appeal							
1003 520 2003 260 Plant filing fee 1004 750 2004 375 Reissue filing fee	1402 1403	320 280	2402	160 Filing a brief in support of an appeal 140 Request for oral hearing								
1005 160 2005 80 Provisional filing fee	1451		1451		=	Petition to institute a public use proceeding						
SUBTOTAL (1) (\$) 750.00	1452 110 2452 55 Petition to revive – unavoidable			oidable								
30BTOTAL (1) (3) 750.00	1453	1,300	2453	650	Petition to r	etition to revive - unintentional						
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Extra Fee from	1501	1,300	2501	650	Utility issue	fee (or reissu	ie)					
Claims below Fee Paid	1502		2502	235	Design issu							
Total Claims 10 -20** = x = 0.00	1503	630	2503	315	Plant issue	nt issue fee Litions to the Commissioner						
Claims 2 -3** =	1460	130	1460	130								
Multiple Dependent	1807	50	1807	50	_		CFR 1.17(q)	I				
Large Entity Small Entity	1806	180	1806	180			on Disclosure Stmt	<u> </u>				
Fee Fee Fee Fee Fee Fee Fee Description		40	8021	40	property (tir	nes number d	ssignment per of properties)					
1202 18 2202 9 Claims in excess of 20	1809	750	2809	375	Filing a sub (37 CFR 1.1		final rejection	[
1201 84 2201 42 Independent claims in excess of 3 1203 280 2203 140 Multiple dependent claim, if not paid	1810	750	2810	375	For each ac	ditional inve						
1203 280 2203 140 Multiple dependent claim, if not paid 1204 84 2204 42 ** Reissue independent claims	1801	750	2801	375		mined (37CFR 1.129(b)) [uest for Continued Examination (RCE)						
over original patent	1802		1802	900	Request for expedited examination							
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent		or a design application										
SUBTOTAL (2) (\$) 0.00		Other fee (specify) *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)										
**or number previously paid, if greater; For Reissues, see above	1,000	uceu by i	Basic i''l	mig ree	, , alu	30810	· _ (4) [(4)					
SUBMITTED BY						Complete /	if applicable)					
Name (Print/Type) Carl Schaukowitch		ration No		,211			(202) 955-3750					
Signature Care Ser	(Attorn	ey/Agent/		,		Date	July 8, 2003					